C-8

BANNER IRON WORKS

4560 SHAW AVE. SAINT LOUIS

BIW

SPECIAL CATALOGUE OF

CAST IRON

GRATES INLETS

COVERS AND FRAMES FOR

MANHOLES

METERS CLEANOUTS

CISTERNS COAL VAULTS

HANDHOLES LAMPHOLES

5-C

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W. T. KOKEN
President

H. A. FRIELINGSDORF
Vice-Prest.

E. C. F. KOKEN
Secy.-Treas.

Announcement

IN THIS special catalogue we have endeavored to meet the requirements of Contractors and Engineers for Municipal and Industrial work, where certain kinds of castings are required.

These castings are frequently required in the installation of Plumbing and Heating Systems, and in the construction of Sewer Systems, Water Works, Streets, Highways, Conduits, etc.

We carry in stock a sufficient number of castings of each pattern to meet ordinary demands and are prepared to furnish large quantities on short notice.

We are always prepared to make and quote prices on any special castings not shown.

All prices are f.o.b. our plant, **subject to discount.**

Large quantities will be delivered within the city limits or f. o. b. cars St. Louis, without extra charge.

For small quantities, an extra charge will be made for delivery.

Crating or boxing, if necessary, will be charged at cost.

Terms: Net cash, payable in St. Louis Exchange.

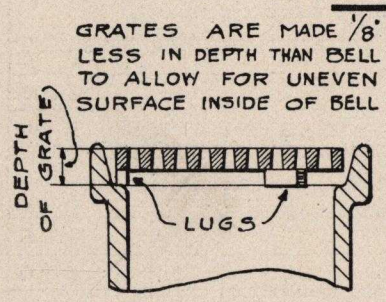
Discount: % off the list.
Subject to change without notice.

Address all communications to

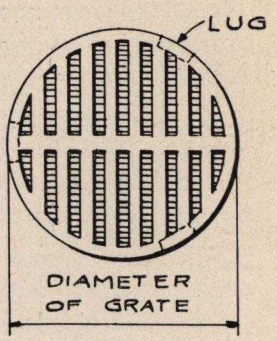
BANNER IRON WORKS
4560 SHAW AVE. SAINT LOUIS

CAST IRON GRATES TO FIT IN BELL ENDS OF STANDARD CLAY SEWER PIPE

NO. 471



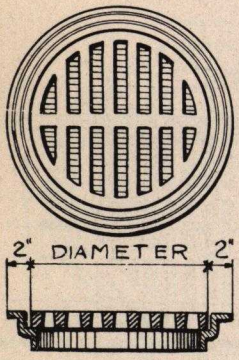
SECTION THRU' BELL END OF PIPE SHOWING GRATE IN PLACE



SIZE OF PIPE	DIAMETER OF BELL	DIAMETER OF GRATE	DEPTH OF BELL	DEPTH OF GRATE	WEIGHT EACH	PRICE EACH
4"	5 5/8"	5 1/8"	1 1/2"	1 3/8"	2 Lb.	$0 40
6"	8"	7 1/2"	1 3/4"	1 5/8"	5 "	0.60
7"	9 1/8"	8 5/8"	1 3/4"	1 5/8"	7 "	0.70
8"	10 1/4"	9 3/4"	2 1/2"	2 3/8"	9 "	0.85
9"	11 1/4"	10 3/4"	2 1/2"	2 3/8"	11 "	1.00
10"	12 3/8"	11 5/8"	2 1/2"	2 3/8"	13 "	1 20
12"	14 3/4"	14"	2 1/2"	2 3/8"	23 "	1.80
14"	17 1/8"	16 1/4"	3"	2 7/8"	32 "	2.30
15"	18 1/4"	17 1/2"	3"	2 7/8"	43 "	2.80
16"	19 3/8"	18 1/2"	3"	2 7/8"	55 "	3.50
18"	21 1/2"	20 3/4"	3"	2 7/8"	70 "	4.30
20"	24"	23 1/4"	3 1/2"	3 3/8"	93 "	5.20
22"	26 1/4"	25 1/2"	3 1/2"	3 3/8"	110 "	6.20
24"	28 3/4"	28"	4"	3 7/8"	132 "	7.20

CAST IRON GRATES & FRAMES

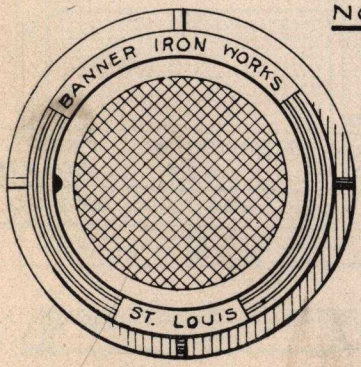
NO. 457

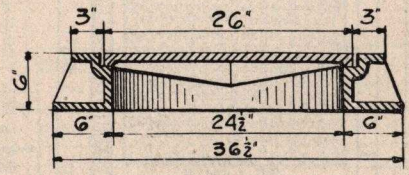


DIAMETER OF GRATE	WEIGHT OF FRAME	WEIGHT OF GRATE	PRICE OF GRATE & FRAME	PRICE OF GRATE ONLY
26"	94 Lb.	156 Lb.	$16.00	$9.00
24"	79 "	92 "	12.00	6.00
22"	73 "	83 "	11 25	5.00
20"	65 "	65 "	10 50	4 50
18"	48 "	49 "	8 00	3.50
16"	34 "	36 "	6 00	2 75
15"	33 "	30 "	5.50	2 50
12"	25 "	15 "	4 00	1 25
10"	20 "	11 "	3.00	1.00

CAST IRON RECTANGULAR GRATES & FRAMES

NO. 472
NO. 474

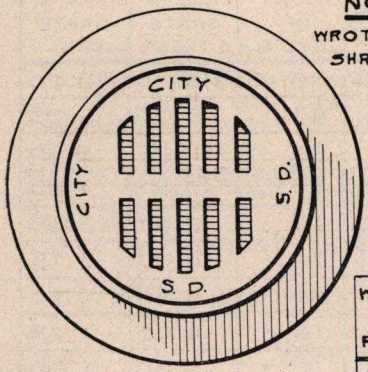


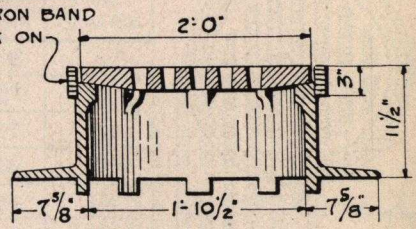


WEIGHT OF FRAME	WEIGHT OF COVER	PRICE COMPLETE
242 Lb.	122 Lb	$20.00

CAST IRON CITY STANDARD MANHOLE COVERS & FRAMES WITH SOLID OR OPEN COVERS

No. 418





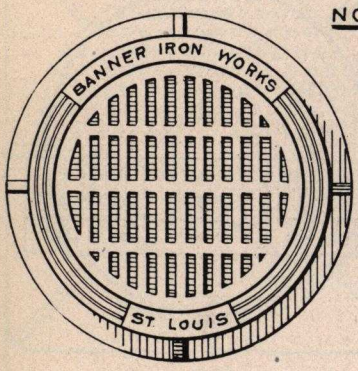
WEIGHT OF FRAME	WEIGHT OF SOLID COVER	WEIGHT OF OPEN COVER	PRICE OF FRAME WITH SOLID COVER	PRICE OF FRAME WITH OPEN COVER
411 Lb.	167 Lb.	144 Lb.	$30.00	$29.00

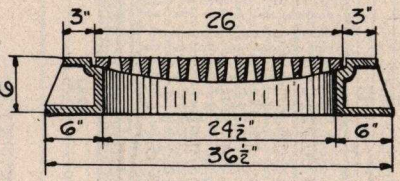
CAST IRON MANHOLE COVERS & FRAMES SUBURBAN STANDARD

7"	9 1/8"	8 1/8	1 1/4	1 1/8	7 "	0.70
8"	10 1/4"	9 3/4"	2 1/2"	2 3/8"	9 "	0.85
9"	11 1/4"	10 3/4"	2 1/2"	2 3/8"	11 "	1.00
10"	12 3/8"	11 5/8"	2 1/2"	2 3/8"	13 "	1 20
12"	14 3/4"	14"	2 1/2"	2 3/8"	23 "	1.80
14"	17 1/8"	16 1/4"	3"	2 7/8"	32 "	2.30
15"	18 1/4"	17 1/2"	3"	2 7/8"	43 "	2.80
16"	19 3/8"	18 1/2"	3"	2 7/8"	55 "	3.50
18"	21 1/2"	20 3/4"	3"	2 7/8"	70 "	4.30
20"	24"	23 1/4"	3 1/2"	3 3/8"	93 "	5.20
22"	26 1/4"	25 1/2"	3 1/2"	3 3/8"	110 "	6.20
24"	28 3/4"	28"	4"	3 7/8"	132 "	7.20

CAST IRON MANHOLE FRAMES WITH OPEN COVERS

NO. 417

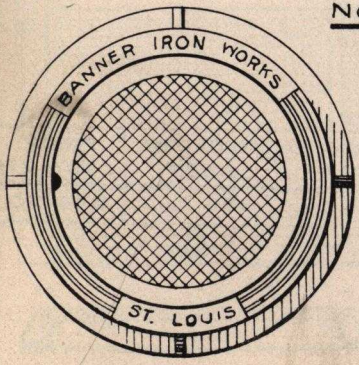


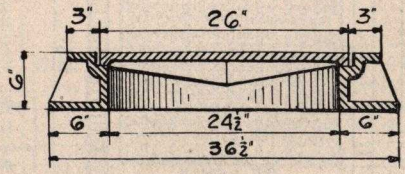


WEIGHT OF FRAME	WEIGHT OF COVER	PRICE COMPLETE
242 Lb.	168 Lb.	$21.00

CAST IRON MANHOLE FRAMES WITH SOLID COVERS

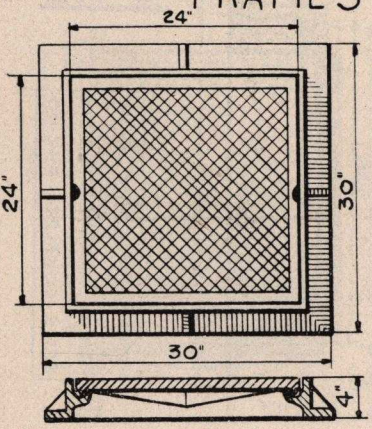
NO. 474





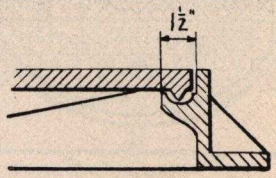
WEIGHT OF FRAME	WEIGHT OF COVER	PRICE COMPLETE
242 Lb.	122 Lb	$20.00

CAST IRON SQUARE MANHOLE COVERS & FRAMES WITH GROOVE



NO. 478

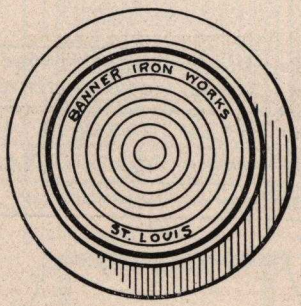
WEIGHT OF FRAME	WEIGHT OF COVER	PRICE COMPLETE
120 Lb.	120 Lb.	$17.00

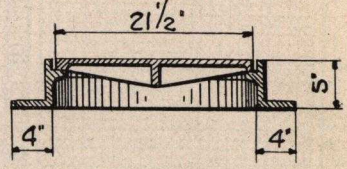


DETAIL OF GROOVE

CAST IRON MANHOLE FRAMES WITH SOLID COVERS

NO. 479

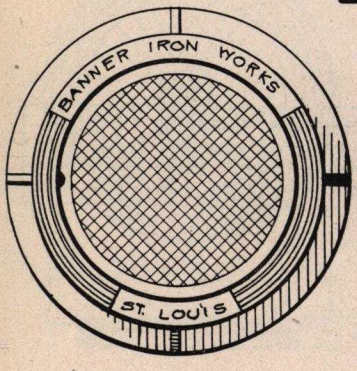


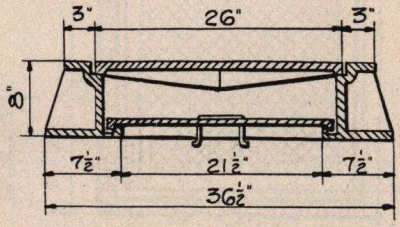


WEIGHT OF FRAME	WEIGHT OF COVER	PRICE COMPLETE
105 Lb.	90 Lb.	$12.00

CAST IRON MANHOLE FRAMES WITH DOUBLE COVERS

No. 480

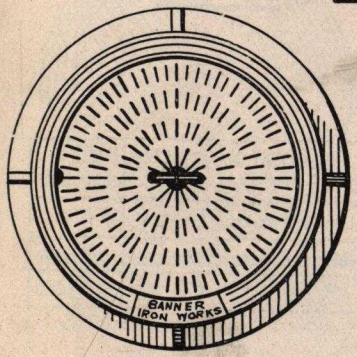


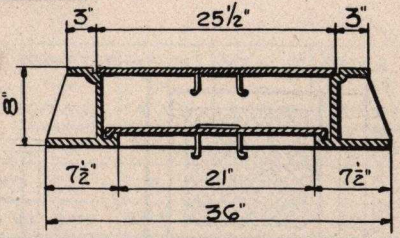


WEIGHT OF FRAME	WEIGHT OF OUTER COVER	WEIGHT OF INNER COVER	PRICE COMPLETE
350 Lb.	122 Lb.	45 Lb.	$33.00

CAST IRON MANHOLE FRAMES WITH DOUBLE COVERS

No. 481

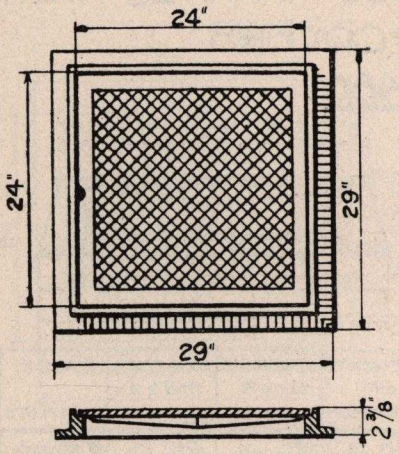




WEIGHT OF FRAME	WEIGHT OF OUTER COVER	WEIGHT OF INNER COVER	PRICE COMPLETE
222 Lb.	80 Lb.	45 Lb.	$28.00

CAST IRON SQUARE METER COVERS & FRAMES

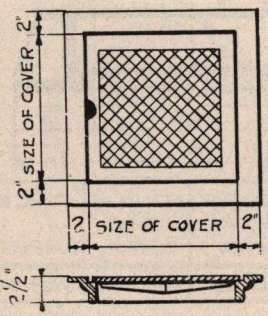
No. 461



WEIGHT OF FRAME	WEIGHT OF COVER	PRICE COMPLETE
87 Lb.	86 Lb.	$10.50

CAST IRON SQUARE CLEANOUT COVERS & FRAMES

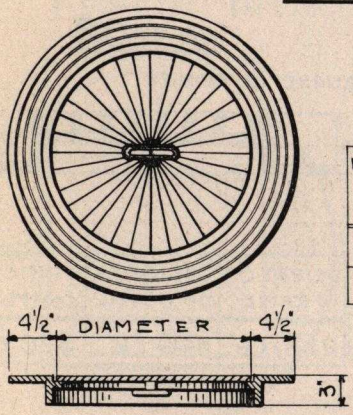
No. 462



SIZE OF COVER	WEIGHT OF FRAME	WEIGHT OF COVER	PRICE COMPLETE
13" x 13"	28 Lb.	17 Lb.	$4.00
16" x 16"	32 "	28 "	5.00
19" x 19"	40 "	43 "	6.00

CAST IRON CISTERN RINGS & COVERS

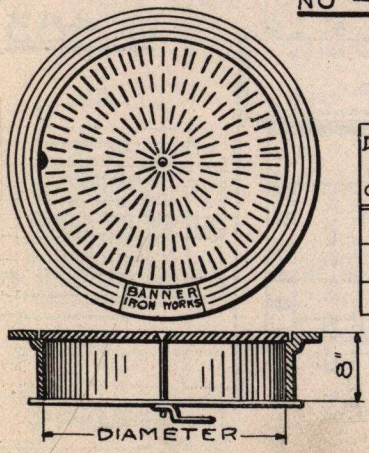
NO. 415



DIAMETER OF COVER	WEIGHT OF RING	WEIGHT OF COVER	PRICE COMPLETE
18"	42 Lb	21 Lb.	$7.00
21"	47 Lb.	23 Lb.	8.00

CAST IRON COAL RINGS & COVERS

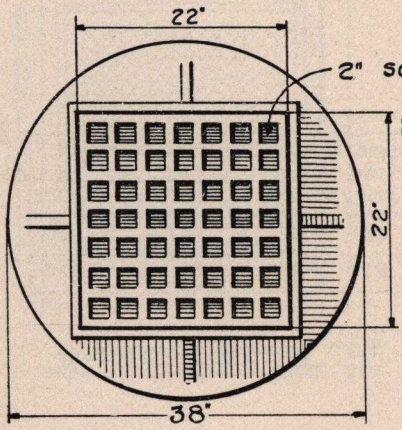
NO 414

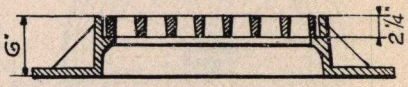


DIAMETER OF OPENING	WEIGHT OF RING	WEIGHT OF COVER	PRICE COMPLETE
18"	84 Lb.	50 Lb.	$10.00
24"	118 "	92 "	14.00
30"	258 "	175 "	30.00

CAST IRON CITY STANDARD SEWER INLET GRATE & FRAME WITHOUT CURB

No. 482

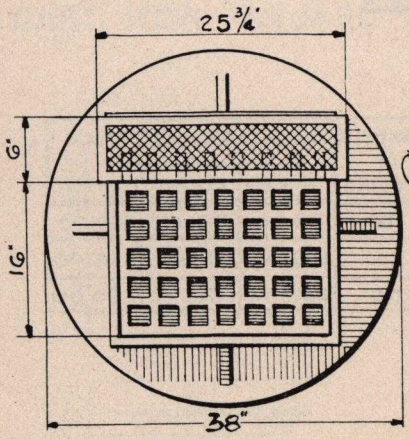


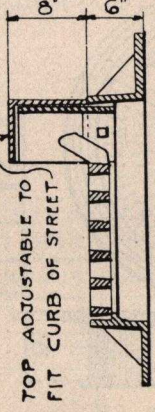


WEIGHT OF FRAME	WEIGHT OF GRATE	PRICE COMPLETE
213 Lb.	140 Lb.	$20.00

CAST IRON CITY STANDARD SEWER INLET GRATE & FRAME WITH CURB

No. 483



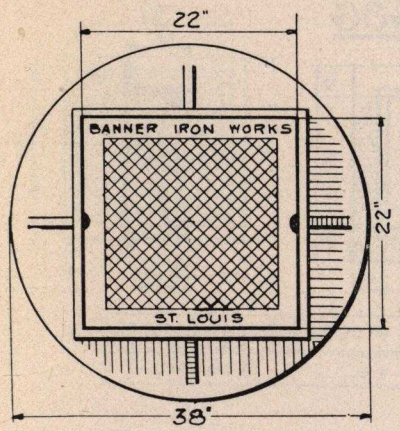


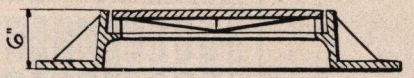
WEIGHT OF FRAME	213 Lb.
WEIGHT OF GRATE	131 Lb.
WEIGHT OF CURB	65 Lb.

PRICE COMPLETE $24.00

CAST IRON CITY STANDARD SEWER INLET FRAME WITH SOLID COVER

NO. 484

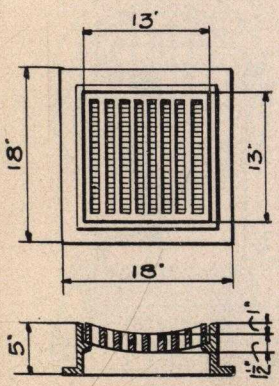




WEIGHT OF FRAME	WEIGHT OF COVER	PRICE COMPLETE
213 Lb.	120 Lb	$20.00

CAST IRON GUTTER INLET GRATES & FRAMES SQUARE

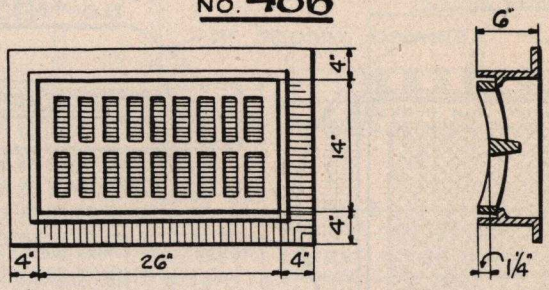
NO 485



WEIGHT OF FRAME	WEIGHT OF GRATE	PRICE COMPLETE
53 Lb.	26 Lb.	$6.00

CAST IRON GUTTER INLET GRATES & FRAMES RECTANGULAR

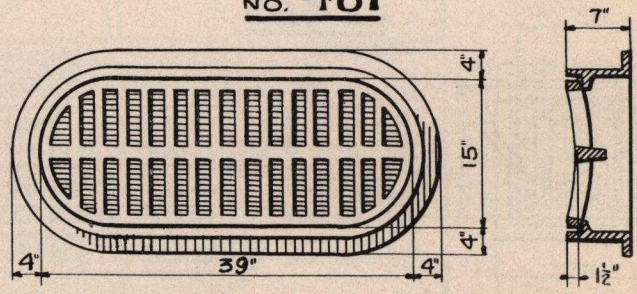
NO. 486



WEIGHT OF FRAME	WEIGHT OF GRATE	PRICE COMPLETE
133 Lb.	79 Lb.	$14.00

CAST IRON GUTTER INLET GRATES & FRAMES WITH ROUNDED ENDS

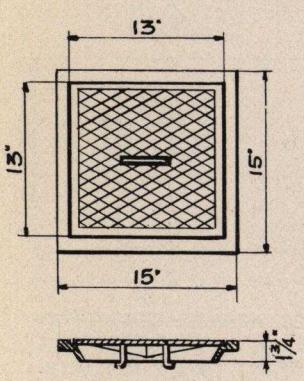
NO. 487



WEIGHT OF FRAME	WEIGHT OF GRATE	PRICE COMPLETE
212 Lb	118 Lb.	$20.00

CAST IRON HANDHOLE COVERS & FRAMES

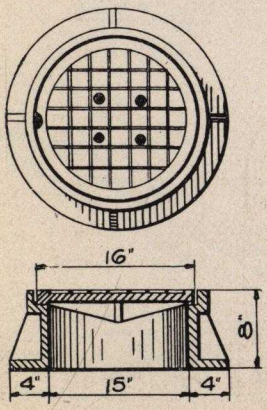
NO. 488



WEIGHT OF FRAME	WEIGHT OF COVER	PRICE COMPLETE
15 Lb.	15 Lb.	$2 50

CAST IRON LAMPHOLE COVERS & FRAMES

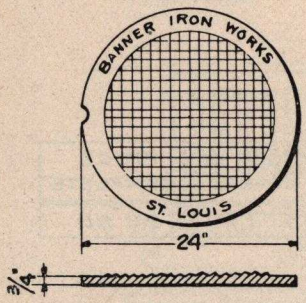
NO. 489



WEIGHT OF FRAME	WEIGHT OF COVER	PRICE COMPLETE
96 Lb.	39 Lb.	$9.00

CAST IRON CITY STANDARD INLET COVERS

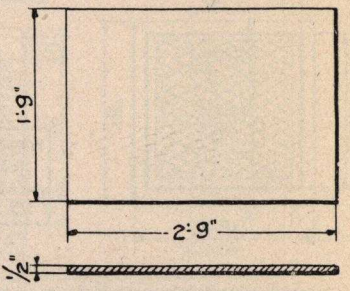
NO. 490



WEIGHT EACH	PRICE EACH
85 Lb.	$5.00

CAST IRON CITY STANDARD TRAP PLATES FOR SEWER INLETS

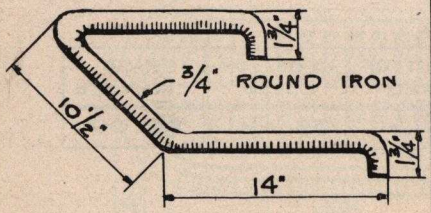
NO. 491



WEIGHT EACH	PRICE EACH
90 Lb.	$4.50

WROT IRON STEPS FOR CITY STANDARD MANHOLES

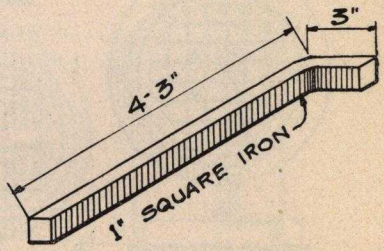
NO. 492



WEIGHT EACH	PRICE EACH
5 Lb.	$0.40

WROT IRON BARS FOR CITY STANDARD SEWER INLETS

NO. 493



WEIGHT EACH	PRICE EACH
15 1/2 Lb.	$1.20

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